AMENDMENTS TO THE CLAIMS

Please cancel Claims 2 and 5-29; amend Claim 1; and add new Claims 30 and 31 as follows.

LISTING OF CLAIMS

1. (currently amended) A cooling apparatus boiling and condensing a refrigerant, comprising:

an upper plate;

a lower plate;

a plurality of intermediate plates stacked between said upper plate and said lower plate;

a hermetically sealed first space defined by a plurality of first apertures formed in said intermediate plates ~~for hermetically sealing a refrigerant therein~~;

a refrigerant disposed within the hermetically sealed first space;

a sealed second space through which an external cooling fluid flows in proximity to said first space; [[and]]

~~at least~~ a heat-generating member mounted on an outer surface of ~~at least~~ said lower plate ~~of said upper plate and said lower plate~~;

a heat-generating member mounted on an outer surface of said upper plate; wherein

~~wherein~~ heat is exchanged between said external cooling fluid and said refrigerant boiled by the heat of said heat-generating member; [[and]]

~~wherein~~ an upper surface of said second space is formed in proximity to an inner surface of said upper plate;

an area where said upper surface of said second space is in proximity to said inner surface of said upper plate is formed in a position corresponding to an area of said heat-generating member mounted on said upper plate;

said heat-generating member mounted on said lower plate includes a plurality of heat sources generating heat,

said heat sources of said heat-generating member mounted on said lower plate are arranged in positions adjacent said first small spaces.

said heat-generating member mounted on said upper plate includes a plurality of heat sources;

said heat sources of said heat-generating member mounted on said upper plate are arranged in positions adjacent said second small spaces;

the second space is formed with a plurality of second apertures formed in the intermediate plates; and

the first space is formed by communicating the plurality of first apertures with one another and the second space is formed by communicating the plurality of second apertures with one another.

2. (cancelled)

3. (original) A cooling apparatus boiling and condensing a refrigerant according to claim 1,

wherein a lower surface of said second space is formed in proximity to an inner surface of said lower plate.

4. (original) A cooling apparatus boiling and condensing a refrigerant according to claim 1,

wherein said first space includes a plurality of first small spaces communicating with each other;

wherein said second space includes a plurality of second small spaces communicating with each other; and

wherein said first small spaces and said second small spaces are arranged to coexist with each other.

5.-29. (cancelled)

30. (new) A cooling apparatus boiling and condensing a refrigerant according to claim 1, wherein the heat sources of said heat member mounted on said lower plate are aligned with a longitudinal direction defined by said first small spaces.

31. (new) A cooling apparatus boiling and condensing a refrigerant according to claim 1, wherein the heat sources of said heat member mounted on said upper plate are aligned with a longitudinal direction defined by said second small spaces.